

1755



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GROUP 1755

PATENT
Attorney Docket No. CYC-041

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Wang
SERIAL NO.: 10/040,530
FILING DATE: January 7, 2002
TITLE: POLYMER-CONTAINING ORGANO-METAL CATALYSTS
GROUP NO.: 1755
EXAMINER: Jennine M. Brown

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on July 31, 2003.

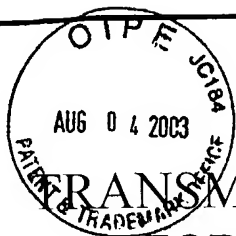
Sandra Allen
Sandra Allen

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith is/are:

1. Transmittal Form (1 pg.);
2. Supplemental Information Disclosure Statement (2 pgs.);
3. Form PTO-1449 (3 pgs.);
4. Copies of cited references A92-A101, B51-B79 and C35-C41; and a
5. Return Receipt Postcard.



TRANSMITTAL FORM

Application Serial Number	10/040,530
Filing Date	January 7, 2002
First Named Inventor	Wang
Group Art Unit	1755
Examiner Name	Jennine M. Brown
Attorney Docket No.	CYC-041
Patent No.	Not applicable
Issue Date	Not applicable

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ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____]	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement (3 pgs.) <input checked="" type="checkbox"/> Form PTO-1449 (3 pgs.) <input checked="" type="checkbox"/> Copies of IDS Citations (A92-A101, B57-B79, C35-C41)	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
	<input type="checkbox"/> Small Entity Statement	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
	<input type="checkbox"/> CD(s) for large table or computer program	
	<input type="checkbox"/> Amendment After Allowance	
	<input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	

CORRESPONDENCE ADDRESS

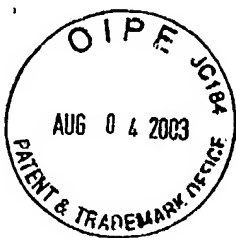
Direct all correspondence to: Patent Administrator
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

SIGNATURE BLOCK

Date: July 31, 2003
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Tel. No.: (617) 248-7176
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Respectfully submitted,

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Attorney Docket No. CYC-041

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Wang
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FILING DATE: January 7, 2002 EXAMINER: Jennine M. Brown
TITLE: POLYMER-CONTAINING ORGANO-METAL CATALYSTS

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications numbered A92-A101, B57-B79, and C35-C41 are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

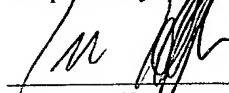
It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

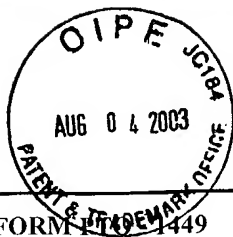
Respectfully submitted,



Ira V. Heffan
Attorney for Applicant
Testa, Hurwitz, & Thibault, LLP
High Street Tower
125 High Street
Boston, Massachusetts 02110

Date: July 31, 2003
Reg. No. 41,059

Tel. No.: (617) 248-7176
Fax No.: (617) 248-7100



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FORM 1449

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

#7

ATTORNEY DOCKET NO.: CYC-041

APPLICANT(S): Wang

SERIAL NO.: 10/040,530

FILING DATE: January 7, 2002

GROUP: 1755

U.S. PATENT DOCUMENTS

EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ms	A92	6,525,164 B2	02/25/03	Faler	528	279	
	A93	6,436,549 B1	08/20/02	Wang	428	480	
	A94	6,436,548 B1	08/20/02	Phelps	428	480	
	A95	6,420,048 B1	07/16/02	Wang	428	480	
	A96	6,420,047 B2	07/16/02	Winckler et al.	428	480	
	A97	6,080,834	06/27/00	Putzig et al.	528	279	
	A98	5,654,395	8/5/97	Jackson et al.	528	308.3	
	A99	5,237,042	8/17/93	Kim et al.	528	279	
	A100	4,785,060	11/15/88	Nagler	525	444	
✓	A101	2,628,171	02/10/53	Green	106	271	

FOREIGN PATENT DOCUMENTS

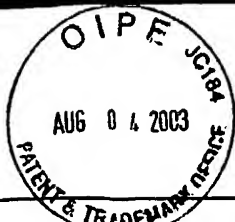
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
ms	B57	798,412	08/06/1954	GB				No	Yes
	B58	2002317041	10/31/2002	JP				No	Yes (Translation)
	B59	2002308969	10/23/2002	JP				No	Yes (Translation)
	B60	2002293902	10/9/2002	JP				No	No (only abstract in English)
	B61	2002293903	10/9/2002	JP				No	No (only abstract in English)
	B62	2002293903	10/9/2002	JP				No	Yes (Translation)
✓	B63	63156824 A	11/10/1988	JP				Yes	Yes

EXAMINER

J. Miller Br

DATE CONSIDERED

12/8/03



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SHEET 2 OF 3

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FORM PTO-1449

SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT

ATTORNEY DOCKET NO.: CYC-041

APPLICANT(S): Wang

SERIAL NO.: 10/040,530

FILING DATE: January 7, 2002

GROUP: 1755

ms	B64	62141063 A	06/24/1987	JP				Yes	Yes
	B65	02322272	11/08/2002	JP				Yes	Yes
	B66	02338672	11/27/2002	JP				Yes	Yes
	B67	02320499	11/05/2002	JP				Yes	Yes
	B68	11-136942	05/21/1999	JP				No	No (only abstract in English)
	B69	10-194262	07/28/1998	JP				No	No (only abstract in English)
	B70	10-069915	03/10/1998	JP				Yes	Yes
↓	B71	09-238806	09/16/1997	JP				No	No (only abstract in English)
	B72	09-110832	04/28/1997	JP				No	No
ms	B73	08-093594	04/09/1996	JP				No	No (only abstract in English)
	B74	03/031496 A1	04/17/2003	WO				No	Yes
	B75	02/098946 A1	12/12/2002	WO				No	Yes
	B76	01/56694 A1	08/09/2001	WO				No	Yes
	B77	99/25485	05/27/1999	WO				No	Yes
	B78	96/22319	07/25/1996	WO				No	Yes
↓	B79	95/00574	01/05/1995	WO				No	Yes

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM.
INIT.

OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)

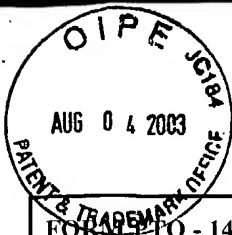
ms

C35 Chisholm et al. "Syntheses and structural characterization of 2,2'-methylene-bis(6-*t*-butyl-4-methylphenoxide) complexes of titanium, zirconium and tantalum," *Polyhedron*, Vol. 16, No. 17, (1997) pp. 2941-2949.

EXAMINER

DATE CONSIDERED

12/8/03



SHEET 3 OF 3

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STATEMENT

ATTORNEY DOCKET NO.: CYC-041

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GROUP: 1755

	C36	Durfee et al. "Chemical and Electrochemical Reduction of Titanium (IV) Aryloxides," <i>Inorganic Chemistry</i> , 24 (1985) pp. 4569-4573.
	C37	Fantacci et al. "Density Functional Study of Tetrphenolate and Calix[4]arene Complexes of Early Transition Metals," <i>Inorganic Chemistry</i> , 40 (2001) pp. 1544-1549.
	C38	Hamb et al. "Synthesis of Cyclic Tris(Ethylene Terephthalate)," <i>Polymer Letters</i> , 5 (1967), pp. 1057-1058.
	C39	Okuda et al. "Synthesis and Characterization of Mononuclear Titanium Complexes Containing a Bis(phenoxy) Ligand Derived from 2,2'-Methylene-bis(6-tert-butyl-4-methylphenol)," <i>Chem. Ber.</i> , Vol. 128, (1995) pp. 221-227.
	C40	Toth et al. "Towards supported catalyst models: the synthesis, characterization, redox chemistry, and structures of the complexes $Ti(Oar')_4$ ($Ar' = C_6H_4(2-t-Bu)$, $C_6H(2,3,5,6-Me)_4$)," <i>Canadian Journal of Chemistry</i> , Vol. 69, (1991) pp. 172-178.
	C41	Youk et al. "Polymerization of Ethylene Terephthalate Cyclic Oligomers with Antimony Trioxide," <i>Macromolecules</i> , 33 (2000), pp. 3594-3599.
EXAMINER		
	DATE CONSIDERED	

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